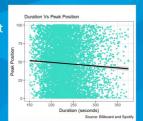
#### Goəl

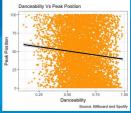
To predict the favorable attributes of a song, using Spotify and Billboard Hot 100 data, that contributes to the popularity and performance among listeners

#### The Process

A combination of Spotify's song characteristics (valence, duration, danceability, instrulmentalness, etc.) & Billboard Hot 100's rank & year of release were selected as the predictors & response variables respectively. The raw CSVs were loaded & converted into a standalone dataframe consisting of strictly numeric data in reference to completed characteristics

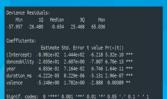


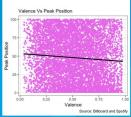
### Data



## Results

The predictors & response's relationship was primarily depicted using a linear graph model, utilizing a cross validation lasso approach to hone in on the most significant features. A 10-fold cross validation approach resulted in an average adjusted mean squared error of 887.6.





# What makes a song popular?